

PTO/SB/08a (08-03) U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Substitute for Form 1449A/PTO		APPLICATION NO.:	FILING DATE:
		10/750,720	December 31, 2003
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT:	ART UNIT:
		Luettgen et al.	3732
(Use as many sheets as necessary)		EXAMINER NAME:	ATTY. DOCKET NO.:
		Not Yet Assigned	2056/US/2

U.S. PATENT DOCUMENTS					
EXAMINER INITIALS*	Cite No. ¹	PATENT NUMBER	ISSUE DATE	Name of Patentee of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code ⁴ (If known)	MM-DD-YYYY		

U.S. PUBLICATION DOCUMENTS					
EXAMINER INITIALS*	Cite No. ¹	PUBLICATION NUMBER	PUBLICATION DATE	Name of Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code ² (If known)	MM-DD-YYYY		
RL	1.	2005/0255427	11/2005	Shortt et al.	
RL	2.	2005/0189000	09/2005	Cacka et al.	
RL	3.	2005/0266376	12/2005	Sokol et al.	

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS*	Cite No. ¹	DOCUMENT NUMBER	PUBLICATION DATE	Name of PATENTEE or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ⁵ – Number ⁶ – Kind Code ³ (If known)	MM-DD-YYYY		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
EXAMINER INITIALS	Cite No. ²	Include name of Author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ⁷
EXAMINER			DATE CONSIDERED		
/Ralph Lewis/			10/29/2006		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation number (optional).

² Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08a (08-03) U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Substitute for Form 1449A/PTO JAN 13 2005 PATENTS & TRADEMARKS (Use as many sheets as necessary)		APPLICATION NO.:	FILING DATE:
		10/750,720	December 31, 2003
		APPLICANT:	ART UNIT:
		Luettgen et al.	3732
		EXAMINER NAME:	ATTY. DOCKET NO.:
		Not Yet Assigned	2056/US/2

U.S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	PATENT NUMBER	ISSUE DATE	Name of Patentee of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)	MM-DD-YYYY		
C	1.	933,718	09/1909	Mahoney	
	2.	1,033,819	07/1912	McMann	
	3.	1,278,225	09/1918	Schamberg	
	4.	1,800,993	04/1931	Funk	
	5.	1,992,770	02/1935	Rathbun	
	6.	2,218,072	10/1940	Runnels	
	7.	2,405,029	07/1946	Gallanty et al.	
	8.	2,543,999	03/1951	Voss	
	9.	2,583,750	01/1952	Runnels	
	10.	2,977,682	04/1961	Flatray	
	11.	3,364,576	01/1968	Kern, Jr.	
	12.	3,509,874	05/1970	Stillman	
	13.	3,608,548	09/1971	Lewis	
	14.	4,303,064	12/1981	Buffa	
	15.	4,346,492	08/1982	Solow	
	16.	4,356,585	11/1982	Protell et al.	
	17.	4,450,599	05/1984	Scheller et al.	
	18.	4,455,704	06/1984	Williams	
	19.	4,488,327	12/1984	Snider	
	20.	4,490,114	12/1984	Kleesattel	
	21.	4,543,679	10/1985	Rosofsky et al.	
	22.	4,578,033	03/1986	Mossle et al.	
	23.	4,610,043	09/1986	Vezjak	
	24.	4,908,902	03/1990	McNab et al.	
	25.	5,146,643	09/1992	Bojar et al.	
	26.	5,152,394	10/1992	Hughes	
	27.	5,163,375	11/1992	Withers et al.	
	28.	5,167,193	12/1992	Withers et al.	
	29.	5,184,368	02/1993	Holland	
	30.	5,245,117	09/1993	Withers et al.	
	31.	5,339,482	08/1994	Desimone et al.	
	32.	5,438,726	08/1995	Leite	
	33.	5,530,981	07/1996	Chen	
	34.	5,544,382	08/1996	Giuliani et al.	
	35.	5,546,626	08/1996	Chung	
	36.	5,561,881	10/1996	Klinger et al.	
C	37.	5,584,690	12/1996	Maassarani	

U.S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	PATENT NUMBER	ISSUE DATE	Name of Patentee of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (If known)	MM-DD-YYYY		
Cal	38.	D376,695	12/1996	Tveras	
✓	39.	5,623,746	04/1997	Ichiro	
	40.	5,653,591	08/1997	Loge	
	41.	5,704,087	01/1998	Strub	
	42.	5,980,541	11/1999	Tenzer	
	43.	6,081,957	07/2000	Webb	
	44.	6,233,773	05/2001	Karge et al.	
	45.	6,360,398	03/2002	Wiegner et al.	
	46.	6,375,459	04/2002	Kamen et al.	
✓	47.	6,659,674	12/2003	Carlucci et al.	
Cal	48.	6,785,929	09/2004	Fritsch et al.	

U.S. PUBLICATION DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	PUBLICATION NUMBER	PUBLICATION DATE	Name of Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (If known)	MM-DD-YYYY		
Cal	49.	2005/0004498	01/2005	Klupt	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	DOCUMENT NUMBER	PUBLICATION DATE	Name of PATENTEE or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴ - Number - Kind Code ⁵ (If known)	MM-DD-YYYY			
Cal	50.	EP0210094	06/1986	Arnaud		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ²	Include name of Author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³
EXAMINER	Cal		DATE CONSIDERED 4/14/07

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation number (optional).

² Applicant is to place a check mark here if English language Translation is attached.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 2056/US/2	APPLN. NO. 10/750,720
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT: Luetgen et al.	
(Use several sheets if necessary)		FILING DATE December 31, 2003	ART UNIT 3732

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CJ	1.	2,450,635	10/1948	Dembenski			
X	2.	2,577,597	12/1951	Wright et al.			
	3.	2,962,033	11/1960	Lew			
	4.	3,289,681	12/1966	Chambers			
	5.	3,311,116	03/1967	Foster			
	6.	D234,518	03/1975	Gerlich			
	7.	4,844,104	07/1989	Martin			
	8.	4,875,265	10/1989	Yoshida			
	9.	4,877,934	10/1989	Spinello			
	10.	4,892,191	01/1990	Nakamura			
	11.	5,183,156	02/1993	Bruno			
	12.	5,193,678	03/1993	Janocik et al.			
	13.	5,246,022	09/1993	Israel et al.			
	14.	5,299,723	04/1994	Hempel			
	15.	D381,468	07/1997	Dolan et al.			
✓	16.	D413,694	09/1999	Bennett			
CJ	17.	6,220,857	04/2001	Abels			

U.S. PUBLICATION DOCUMENTS

EXAMINER INITIAL		PUBLICATION NUMBER	PUBLICATION DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CJ	18.	2003/0064348	04/2003	Sokol et al.			
CJ	19.	2003/0162146	08/2003	Shortt et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL			
EXAMINER	<i>Coley and Luetgen</i>	DATE CONSIDERED	<i>4/14/02</i>

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 2056/US/2	APPLN. NO. 10/750,720
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT: Luettgen et al.	
(Use several sheets if necessary)		FILING DATE December 31, 2003	ART UNIT 3732

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Cal	1.	4,875,265	10/24/1989	Yoshida			
Cal	2.	4,877,934	10/31/1989	Spinello			
Cal	3.	4,892,191	01/09/1990	Nakamura			
Cal	4.	5,183,156	02/02/1993	Bruno			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Cal *already* DATE CONSIDERED *4/14/03*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. 2056/US/2	APPLN. NO. 10/750,720
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT: Luettgen et al.	
(Use several sheets if necessary)				FILING DATE December 31, 2003	ART UNIT 3732

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓ xl	1	684,951	10/22/1901	Rothkranz			
✓ xl	2	1,313,490	08/19/1919	Larson			
	3	1,355,037	10/05/1920	Dziuk			
	4	1,424,879	08/08/1922	Carlstedt			
	5	1,517,320	12/02/1924	Stoddart			
	6	1,696,835	12/25/1928	Burnett			
	7	1,703,842	02/26/1929	Sticht			
	8	1,796,641	03/17/1931	Zimmerman et al.			
	9	1,832,519	11/17/1931	Wheat et al.			
	10	1,880,617	10/04/1932	White			
	11	2,016,597	10/08/1935	Drake			
	12	2,044,863	06/23/1936	Sticht			
	13	2,158,738	05/16/1939	Baker et al.			
	14	2,206,726	07/02/1940	Lasater			
	15	2,246,523	06/24/1941	Kulik			
	16	2,278,365	03/31/1942	Daniels			
	17	2,282,700	05/12/1942	Bobroff			
	18	2,598,275	05/27/1952	Lakin			
	19	2,709,227	05/24/1955	Foley et al.			
	20	2,728,928	01/03/1956	Beeren			
	21	2,734,139	02/07/1956	Murphy			
	22	2,806,235	09/17/1957	Carstairs et al.			
	23	2,875,458	03/03/1959	Tsuda			
	24	2,917,758	12/22/1959	Held et al.			
	25	2,931,371	04/05/1960	Pelitta			
	26	2,977,614	04/04/1961	Demanuele			
	27	3,104,405	09/24/1963	Perrinjaquet			
	28	3,106,216	10/08/1963	Kirby			
	29	D197,048	12/10/1963	Troy			
	30	D197,208	12/31/1963	Cassidy et al.			
	31	3,143,697	08/04/1964	Springer			
	32	3,145,404	08/25/1964	Fiedler			
	33	D199,560	11/17/1964	Thompson			
✓ xl	34	3,159,859	12/08/1964	Rasmussen			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Cpl</i>	35	D199,893	12/29/1964	Bond et al.			
↑	36	3,181,189	05/04/1965	Leyden			
	37	3,183,538	05/18/1965	Hubner			
	38	D202,873	11/16/1965	Husted			
	39	D204,127	03/22/1966	Syvertson			
	40	3,270,416	09/06/1966	Massa			
	41	3,316,576	05/02/1967	Urbrush			
	42	3,335,443	08/15/1967	Parisi et al.			
	43	3,346,748	10/10/1967	McNair			
	44	3,358,309	12/19/1967	Richardson			
	45	3,371,260	02/27/1968	Jackson et al.			
	46	3,375,820	04/02/1968	Kuris et al.			
	47	D212,208	09/17/1968	Rogers			
	48	3,418,552	12/24/1968	Holmes			
	49	3,421,524	01/14/1969	Waters			
	50	3,430,279	03/04/1969	Hintze			
	51	3,463,994	08/26/1969	Spoehr			
	52	3,466,689	09/16/1969	Aurelio et al.			
	53	3,472,045	10/14/1969	Nelsen et al.			
	54	3,472,247	04/14/1969	Borsum et al.			
	55	3,474,799	10/28/1969	Cappello			
	56	3,535,726	10/27/1970	Sawyer			
	57	3,538,359	11/03/1970	Barowski			
	58	3,552,022	01/05/1971	Axelsson			
	59	3,559,292	02/02/1971	Weissman			
	60	3,563,233	02/16/1971	Bodine			
	61	3,588,936	06/29/1971	Duve			
	62	3,590,814	07/01/1971	Bennett et al.			
	63	D221,823	09/14/1971	Cook			
	64	3,642,344	02/15/1972	Corker			
	65	3,651,576	03/28/1972	Massa			
	66	3,660,902	05/09/1972	Axelsson			
	67	3,667,483	06/06/1972	McCabe			
	68	3,672,378	06/27/1972	Silverman			
	69	3,676,218	07/11/1972	Sawyer			
	70	3,759,274	09/18/1973	Warner			
	71	3,760,799	09/25/1973	Crowson			
	72	3,809,977	05/07/1974	Balamuth et al.			
	73	3,831,611	08/27/1974	Hendricks			
↓	74	3,840,932	10/15/1974	Balamuth et al.			
<i>Cpl</i>	75	3,847,167	11/12/1974	Brien			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Cpl</i>	76	3,882,364	05/06/1975	Wright et al.			
	77	3,902,510	09/02/1975	Roth			
	78	3,903,601	09/09/1975	Anderson et al.			
	79	3,967,617	07/06/1976	Krolik			
	80	3,978,852	09/07/1976	Annoni			
	81	3,980,906	09/14/1976	Kuris et al.			
	82	4,004,344	01/25/1977	Gold et al.			
	83	4,005,722	02/01/1977	Bragg			
	84	4,008,728	02/22/1977	Sanchez			
	85	4,014,354	03/29/1977	Garrett			
	86	4,019,522	04/26/1977	Elbreder			
	87	4,048,723	09/20/1977	Thorup			
	88	4,064,883	12/27/1977	Oldham			
	89	4,133,339	01/09/1979	Naslund			
	90	4,177,434	12/04/1979	Ida			
	91	D254,162	02/12/1980	Barker			
	92	4,192,035	03/11/1980	Kuris			
	93	4,203,431	05/20/1980	Abura et al.			
	94	4,205,664	06/03/1980	Baccialon			
	95	4,219,619	08/26/1980	Zerow			
	96	4,235,253	11/25/1980	Moore			
	97	4,245,658	01/20/1981	Lecouturier			
	98	RE30,536	03/03/1981	Perdreaux, Jr.			
	99	4,255,693	03/10/1981	Keidl			
	100	4,265,257	05/05/1981	Salyer			
	101	4,271,382	06/02/1981	Maeda et al.			
	102	4,271,384	06/02/1981	Beling et al.			
	103	4,271,854	06/01/1981	Bengtsson			
	104	4,275,363	06/23/1981	Mishiro et al.			
	105	4,289,486	09/15/1981	Sargeant			
	106	4,307,740	12/29/1981	Florindez et al.			
	107	4,319,377	03/16/1982	Tarson et al.			
	108	4,319,595	03/16/1982	Ulrich			
	109	4,326,547	04/27/1982	Verplank			
	110	4,326,548	04/27/1982	Wagner			
	111	4,326,549	04/27/1982	Hinding			
	112	4,331,422	05/25/1982	Heyman			
	113	4,333,197	06/08/1982	Kuris			
	114	4,336,622	06/29/1982	Teague, Jr. et al.			
<i>Cpl</i>	115	4,338,957	07/13/1982	Meibauer			
	116	D265,515	07/20/1982	Levine			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>CJ</i>	117	4,347,839	09/07/1982	Youngclaus, Jr.			
	118	4,353,141	10/12/1982	Teague, Jr. et al.			
	119	4,381,478	04/26/1983	Saijo et al.			
	120	4,395,665	07/26/1983	Buchas			
	121	4,397,327	08/09/1983	Hadary			
	122	D272,565	02/07/1984	Levine			
	123	D272,680	02/07/1984	Stocchi			
	124	4,429,997	02/07/1984	Mathews			
	125	4,432,729	02/21/1984	Fattaleh			
	126	4,434,806	03/06/1984	Givens			
	127	4,442,830	04/17/1984	Markau			
	128	4,458,702	07/10/1984	Grollmund			
	129	4,505,678	03/19/1985	Andersson			
	130	4,522,355	06/11/1985	Moran			
	131	4,522,595	06/01/1985	Selvidge			
	132	4,562,413	12/31/1985	Mishiro et al.			
	133	4,564,794	01/14/1986	Kilen et al.			
	134	4,576,190	03/18/1986	Youssef			
	135	4,577,649	03/25/1986	Shimenkov			
	136	D283,374	04/15/1986	Cheuk-Yiu			
	137	4,585,415	04/29/1986	Hommann			
	138	4,586,521	05/06/1986	Urso			
	139	4,603,448	08/05/1986	Middleton et al.			
	140	4,605,025	08/12/1986	McSpadden			
	141	4,608,019	08/26/1986	Kumabe et al.			
	142	4,617,718	10/21/1986	Andersson			
	143	4,634,376	01/06/1987	Mossle et al.			
	144	4,644,937	02/24/1987	Hommann			
	145	4,655,198	04/07/1987	Hommann			
	146	4,698,869	10/13/1987	Mierau et al.			
	147	4,706,695	11/17/1987	Urso			
	148	D294,885	03/29/1988	Mollenhoff			
	149	4,766,630	08/30/1988	Hegemann			
	150	4,787,847	11/29/1988	Martin et al.			
	151	4,791,940	12/20/1988	Hirshfeld et al.			
	152	4,811,445	03/14/1989	Lagieski et al.			
	153	4,820,153	04/11/1989	Romhild et al.			
	154	4,820,154	04/11/1989	Romhild et al.			
	155	4,827,550	05/19/1989	Graham et al.			
<i>CD</i>	156	4,832,063	05/23/1989	Smole			
<i>CD</i>	157	4,845,795	07/11/1989	Crawford et al.			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CR	158	4,856,133	08/15/1989	Sanchez			
	159	4,871,396	10/03/1989	Tsujita et al.			
	160	D303,876	10/10/1989	Clemens et al.			
	161	4,873,496	10/10/1989	Ohgihara et al.			
	162	4,879,781	11/14/1989	Desimone			
	163	4,880,382	11/14/1989	Moret et al.			
	164	4,887,052	12/12/1989	Murakami et al.			
	165	4,913,176	04/01/1990	DeNiro			
	166	4,913,133	04/03/1990	Tichy			
	167	4,922,936	05/08/1990	Buzzi et al.			
	168	4,974,278	12/04/1990	Hommann			
	169	4,989,287	02/05/1991	Scherer			
	170	4,991,249	02/12/1991	Suroff			
	171	4,995,403	02/26/1991	Beckman et al.			
	172	5,000,684	03/19/1991	Odrich			
	173	5,002,487	03/26/1991	Tichy			
	174	5,007,127	04/16/1991	Paolo			
	175	5,016,660	05/21/1991	Boggs			
	176	5,020,179	06/04/1991	Scherer			
	177	5,033,150	07/23/1991	Gross et al.			
	178	D319,363	08/27/1991	Uemura et al.			
	179	5,050,625	09/24/1991	Siekmann			
	180	D321,285	11/05/1991	Hirabayashi			
	181	5,062,797	11/05/1991	Gonser			
	182	5,067,223	11/26/1991	Bruno			
	183	5,068,939	12/03/1991	Holland			
	184	5,069,621	12/03/1991	Paradis			
	185	D321,986	12/05/1991	Snyder et al.			
	186	5,069,233	12/09/1991	Ritter			
	187	5,071,348	12/10/1991	Woog			
	188	5,072,477	12/17/1991	Pai			
	189	5,072,482	12/17/1991	Bojar et al.			
	190	5,077,855	01/07/1992	Ambasz			
	191	5,085,236	02/04/1992	Odneal et al.			
	192	5,088,145	02/18/1992	Whitefield			
	193	5,094,256	03/10/1992	Barth			
	194	5,095,470	03/10/1992	Oka et al.			
	195	5,100,321	03/31/1992	Coss et al.			
	196	5,120,225	06/09/1992	Amit			
	197	5,123,841	06/23/1992	Millner			
	198	5,125,837	06/30/1992	Warrin et al.			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>CH</i>	199	5,133,661	07/28/1992	Euvrard			
	200	5,138,733	08/18/1992	Bock			
	201	5,145,369	09/08/1992	Lustig et al.			
	202	5,150,492	09/29/1992	Suroff			
	203	5,151,030	09/29/1992	Comeaux			
	204	5,165,131	11/24/1992	Staar			
	205	5,169,313	12/08/1992	Kline			
	206	5,170,809	12/15/1992	Imai et al.			
	207	5,174,314	12/29/1992	Charatan			
	208	5,176,157	01/05/1993	Mazza			
	209	5,177,826	01/12/1993	Vrignaud et al.			
	210	5,180,363	01/19/1993	Idemoto et al.			
	211	5,183,063	02/02/1993	Ringle et al.			
	212	5,184,632	02/09/1993	Gross et al.			
	213	5,186,191	02/16/1993	Loubier			
	214	5,188,133	02/23/1993	Romanus			
	215	5,189,751	03/02/1993	Giuliani et al.			
	216	5,198,732	03/30/1993	Morimoto			
	217	5,201,092	04/13/1993	Colson			
	218	5,207,773	05/04/1993	Henderson			
	219	5,213,434	05/25/1993	Hahn			
	220	5,214,819	06/01/1993	Kirchner			
	221	5,217,031	06/08/1993	Santoro			
	222	5,224,500	07/06/1993	Stella			
	223	5,226,206	07/13/1993	Davidovitz et al.			
	224	5,236,358	08/17/1993	Sieffert			
	225	5,247,716	09/28/1993	Bock			
	226	5,253,382	10/19/1993	Beny			
	227	5,261,430	11/16/1993	Mochel			
	228	5,263,218	11/23/1993	Giuliani et al.			
	229	D341,943	12/07/1993	Si-Hoe			
	230	5,267,579	12/07/1993	Bushberger			
	231	5,279,314	01/18/1994	Poulos et al.			
	232	5,289,604	03/01/1994	Kressner			
	233	5,293,886	03/15/1994	Czapor			
	234	5,294,896	03/15/1994	Kjellander et al.			
	235	5,305,492	04/26/1994	Giuliani et al.			
	236	5,309,590	05/10/1994	Giuliani et al.			
	237	5,309,591	05/10/1994	Hägele et al.			
<i>CH</i>	238	5,311,632	05/17/1994	Center			
<i>CH</i>	239	5,311,633	05/17/1994	Herzog et al.			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CR	240	5,323,796	06/28/1994	Urso			
↑	241	5,337,435	08/16/1994	Krasner et al.			
	242	5,341,534	08/30/1994	Serbinski et al.			
	243	5,353,460	10/11/1994	Bauman			
	244	5,354,246	10/11/1994	Gotman			
	245	5,355,638	10/18/1994	Hoffman			
	246	5,358,328	10/25/1994	Inoue et al.			
	247	5,359,747	11/01/1994	Amakasu			
	248	5,369,831	12/16/1994	Bock			
	249	D353,490	12/20/1994	Hartwein			
	250	5,378,153	01/03/1995	Giuliani et al.			
	251	D354,168	01/10/1995	Hartwein			
	252	5,383,242	01/24/1995	Bigler et al.			
	253	5,393,229	02/28/1995	Ram			
	254	5,400,811	03/28/1995	Meibauer			
	255	5,404,608	04/11/1995	Hommann			
	256	5,406,664	04/18/1995	Hukuba			
	257	5,406,965	04/18/1995	Levine			
	258	5,411,041	05/02/1995	Ritter			
	259	5,412,827	05/09/1995	Muller et al.			
	260	D358,486	05/23/1995	Loew			
	261	5,416,942	05/23/1995	Baldacci et al.			
	262	D358,713	05/30/1995	Perry			
	263	D358,801	05/30/1995	Vos			
	264	5,419,346	05/30/1995	Tipp			
	265	5,419,703	05/30/1995	Warrin et al.			
	266	5,421,726	06/06/1995	Okada			
	267	5,459,898	10/24/1995	Bacolot			
	268	D363,605	10/31/1995	Kou et al.			
	269	5,467,494	11/21/1995	Muller et al.			
	270	5,467,495	11/21/1995	Boland et al.			
	271	5,482,466	01/09/1996	Haynes			
	272	5,484,281	01/16/1996	Renow et al.			
	273	5,496,256	03/05/1996	Bock et al.			
	274	5,499,420	03/19/1996	Boland			
	275	5,504,958	04/09/1996	Herzog			
	276	5,511,270	04/30/1996	Eliachar et al.			
	277	5,511,275	04/30/1996	Volpenhein et al.			
	278	D370,125	05/28/1996	Craft et al.			
	279	D370,347	06/04/1996	Heinzelman et al.			
CR	280	5,529,494	06/25/1996	Vlacancich			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CJ	281	D371,242	07/02/1996	Shimatsu et al.			
↑	282	5,545,968	08/13/1996	Hilfinger et al.			
	283	5,546,624	08/20/1996	Bock			
	284	5,573,020	11/12/1996	Robinson			
	285	D375,841	11/26/1996	Serbinski			
	286	5,577,285	11/26/1996	Drossler			
	287	5,579,786	12/03/1996	Wolk et al.			
	288	5,588,452	12/01/1996	Peck			
	289	5,606,984	03/04/1997	Gao			
	290	5,613,258	03/25/1997	Hilfinger et al.			
	291	5,613,259	03/25/1997	Craft et al.			
	292	5,617,601	04/08/1997	McDougall			
	293	5,618,275	04/08/1997	Bock			
	294	5,619,766	04/15/1997	Zhadanov et al.			
	295	5,625,916	05/08/1997	McDougall			
	296	5,651,157	07/29/1997	Hahn			
	297	5,652,990	08/05/1997	Driesen et al.			
	298	D382,407	08/19/1997	Craft et al.			
	299	5,678,274	10/21/1997	Liu			
	300	5,678,578	10/21/1997	Kossak et al.			
	301	5,697,117	12/16/1997	Craft			
	302	5,700,146	12/23/1997	Kucar			
	303	RE35,712	01/13/1998	Murayama			
	304	5,709,233	01/20/1998	Boland et al.			
	305	5,718,667	02/17/1998	Sugimoto et al.			
	306	5,732,433	03/31/1998	Göcking et al.			
	307	5,738,575	04/14/1998	Bock			
	308	5,742,972	04/28/1998	Bredall et al.			
	309	5,749,380	05/12/1998	Zebuhr			
	310	5,762,078	06/09/1998	Zebuhr			
	311	5,775,346	07/01/1998	Szyszkowski			
	312	5,784,742	07/28/1998	Giuliani et al.			
	313	5,784,743	07/28/1998	Shek			
	314	5,787,908	08/04/1998	Robinson			
	315	5,794,295	08/18/1998	Shen			
	316	5,815,872	10/06/1998	Meginnis, III et al.			
	317	5,816,271	10/06/1998	Urso			
	318	5,827,064	10/27/1998	Bock			
	319	D400,713	11/10/1998	Solanki			
	320	5,836,030	11/17/1998	Hazeu et al.			
	321	5,842,244	12/01/1998	Hilfinger et al.			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>C</i>	322	5,850,655	12/22/1998	Göcking et al.			
↑	323	D403,511	01/05/1999	Serbinski			
	324	5,855,216	01/05/1999	Robinson			
	325	5,862,558	01/26/1999	Hilfinger et al.			
	326	5,864,915	02/02/1999	Ra			
	327	5,867,856	02/09/1999	Herzog			
	328	5,893,175	04/13/1999	Cooper			
	329	5,896,615	04/27/1999	Zaksenberg			
	330	5,899,693	05/04/1999	Himeno et al.			
	331	5,908,038	06/01/1999	Bennett			
	332	D410,787	06/08/1999	Barre et al.			
	333	5,921,254	07/13/1999	Carlucci et al.			
	334	5,927,300	07/27/1999	Boland et al.			
	335	5,930,858	08/03/1999	Jung			
	336	5,931,170	08/03/1999	Wu			
	337	5,943,723	08/31/1999	Hilfinger et al.			
	338	5,944,033	08/31/1999	Robinson			
	339	D414,937	10/12/1999	Comu et al.			
	340	D414,939	10/12/1999	Pedro, Jr. et al.			
	341	5,974,613	11/02/1999	Herzog			
	342	5,974,615	11/02/1999	Schwarz-Hartmann et al.			
	343	5,987,681	11/23/1999	Hahn et al.			
	344	5,991,957	11/30/1999	Watanabe			
	345	6,000,083	12/14/1999	Blaustein et al.			
	346	D417,960	12/28/1999	Moskovich et al.			
	347	6,009,589	01/04/2000	Driesen et al.			
	348	6,021,538	02/08/2000	Kressner et al.			
	349	6,032,313	03/07/2000	Tsang			
	350	6,035,476	03/14/2000	Underwood et al.			
	351	6,047,711	04/11/2000	Wagner			
	352	6,050,818	04/18/2000	Boland et al.			
	353	D423,784	05/02/2000	Joulin			
	354	6,065,176	05/23/2000	Watanabe et al.			
	355	6,095,811	08/01/2000	Stearns			
	356	6,102,700	08/15/2000	Haczek et al.			
↓	357	6,165,131	12/26/2000	Cuse et al.			
	358	D437,090	01/30/2001	Lang et al.			
	359	D437,091	01/30/2001	Lang et al.			
	360	6,183,254	02/06/2001	Cohen			
<i>C</i>	361	D437,663	02/13/2001	Lang et al.			

U.S. PATENT DOCUMENTS

U.S. PUBLICATIONS

EXAMINER INITIAL		PUB. NUMBER	PUB. DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CJ	375	2001/0039955	11/15/2001	Winters et al.			
AL	376	2002/0059685	05/23/2002	Paffrath			
	377	2002/0078974	06/27/2002	Kossak et al.			
	378	2002/0106607	08/08/2002	Horowitz			
	379	2002/0121283	09/05/2002	Piccolo et al.			
	380	2002/0170570	11/21/2002	Bergman			
	381	2002/0178519	12/05/2002	Zarlengo			
	382	2002/0185149	12/12/2002	Ali			
	383	2003/0005544	01/09/2003	Felix			
	384	2003/0029472	02/13/2003	Adler			
	385	2003/0098037	05/29/2003	Dougan et al.			
	386	2003/0106565	06/12/2003	Andrews			
	387	2003/0111091	06/19/2003	Hotta et al.			
	388	2003/0140937	07/31/2003	Cook			
	390	2003/0140939	07/31/2003	Nudo, SR.			
CD	391	2003/0150474	08/14/2003	Doyscher			
CJ	392	2003/0196677	10/23/2003	Wiseman			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
CP	393	EP 0354352	02/01/1990	EPO			X	
CP	394	EP 0661025 B1	07/05/1995	EPO				X
	395	FR 429447	09/22/1911	France				X
	396	FR 1,171,337	01/23/1959	France				X
	397	FR 243224	04/10/1910	Germany				X
	398	DE 1766651 C1	12/03/1981	Germany			X	
	399	DE 3431481	02/01/1986	Germany			X	
	400	DE 3512190 A1	10/01/1986	Germany			X	
	401	DE 8626725	05/21/1987	Germany				X
	402	DE 3736308 A1	07/27/1989	Germany			X	
	403	DE 4142404 C2	07/02/1991	Germany			X	
	404	DE 4003305 A1	08/01/1991	Germany			X	
	405	DE 4223195 A1	01/20/1994	Germany			X	
	406	DE 4223196 A1	01/20/1994	Germany			X	
	407	DE 4226659 A1	02/01/1994	Germany			X	
	408	DE 4226658	02/17/1994	Germany			X	
	409	DE 4241576	06/16/1994	Germany			X	
	410	DE 4309078 A1	09/01/1994	Germany			X	
	411	DE 29715234 U1	12/04/1997	Germany			X	
	412	DE 19961447	07/05/2001	Germany			X	
	413	GB 899,618	06/27/1962	Great Britain				X
	414	JP 53-33753	03/29/1978	Japan			X	
	415	JP 3-222905 A	10/01/1991	Japan			X	
	416	SE 324,221	05/01/1970	Sweden				X
	417	CH 435,553	10/31/1967	Switzerland				X
	418	CH 609,238	02/28/1979	Switzerland			X	
	419	GB 477,799	01/01/1938	UK				X
	420	GB 500,517	02/01/1939	UK				X
	421	GB 1,583,558	08/01/1977	UK				X
	422	GB 2,175,494	12/01/1986	UK				X
	423	WO 91/19437	12/26/1991	WIPO				X
	424	WO 91/13570	09/01/1991	WIPO				X
	425	WO 92/10146	06/25/1992	WIPO				X
	426	WO 92/16160	10/01/1992	WIPO				X
	427	WO 93/10721	06/01/1993	WIPO				X
	428	WO 93/15628	08/19/1993	WIPO				X
	429	WO 94/04093	03/01/1994	WIPO			X	
	430	WO 94/26144	11/01/1994	WIPO				X
CP	431	WO 95/02375	01/26/1995	WIPO				X
CP	432	WO 95/33419	12/14/1995	WIPO				X

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
CR	433	WO 98/47443	10/29/1998	WIPO			X	
↑	434	WO 01/28452	04/26/2001	WIPO			X	
	435	WO 01/45582	06/28/2001	WIPO				X
	436	WO 02/071970	09/19/2002	WIPO			X	
↓	437	WO 02/071971	09/19/2002	WIPO			X	
CR								

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CR	438	Sonex International: Brushing with the Ultima- The World's Only Dual-Frequency Ultrasonic Toothbrush, July 28, 1999, published at Sonipic.com.
↑	449	Teledyne Water Pik "Plaque Control 3000" plaque removal instrument (Jul. 1991).
	440	American Dentronics Inc. "Soniplak" sonic plaque removal system (May 1993).
↓	441	Design of a Toothbrush, p. 361, Danish Official Design Gazette, published 5-16-97.
CR	442	Teledyne Water Pik "Sensonic" Toothbrush, sales brochure (at least as early as Sep. 1994).
EXAMINER	DATE CONSIDERED	
<i>Calley J. Dabbs</i>	<i>5/14/06</i> 4/14/06	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.